This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

PTO/SB/21 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

THE TRACE HE Paperwork Reduction Act of 1995, no persons are required to resp

TRANSMITTAL **FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| pond to a collection of information unless it displays a valid OMB control number | | | |
|---|-------------------|--|--|
| Application Number | 09/987,038 | | |
| Filing Date | November 13, 2001 | | |
| First Named Inventor | Ik-Soo Kim | | |
| Art Unit | 2871 | | |
| Examiner Name | T. R. Chowdhury | | |
| Attorney Docket Number | 8733.537.00-US | | |

| ENCLOSURES (Check all that apply) | | | | | |
|--|--|---|---|--|--|
| X Fee Trans | mittal Form | Drawing(s) | After Allowance Communication to Group | | |
| x Fee | Attached | Licensing-related Papers | Appeal Communication to Board of Appeals and Interferences | | |
| Amendme | nt/Reply | Petition | Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) | | |
| After | Final | Petition to Convert to a Provisional Application | Proprietary Information | | |
| Affid | avits/declaration(s) | Power of Attorney, Revocation Change of Correspondence Address | Status Letter | | |
| X Extension | of Time Request | Terminal Disclaimer | X Other Enclosure(s) (please identify below): | | |
| Express Al | bandonment Request | Request for Refund | Request for Continued Examination (RCE) | | |
| Information | n Disclosure Statement | CD, Number of CD(s) | | | |
| Certified C | opy of Priority | | | | |
| Response | to Missing Parts/ Application | Remarks | | | |
| | onse to Missing Parts r 37 CFR 1.52 or 1.53 | | | | |
| | 1 07 011(1.02 07 1.00 | | | | |
| | | | | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | | | |
| Firm or Individual name | MCKENNA LONG & Valerie Hayes | ALDRIDGE LLP | | | |
| Signature | Valerie Ho | uyes | | | |
| Date | March 2, 2004 | U | | | |

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

| OFE CO. | | |
|----------|---|--|
| VA TRADE | Under the Paperwork Reduction Act of 1995, no persons are required to | |
| | for FY 2004 | |

Effective 10/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT 1610.00

| espond to a collection of information driftess it displays a valid civil control flumbe | | | | |
|---|-------------------|--|--|--|
| Complete if Known | | | | |
| Application Number | 09/987,038 | | | |
| Filing Date | November 13, 2001 | | | |
| First Named Inventor | lk-Soo Kim | | | |
| Examiner Name | T. R. Chowdhury | | | |
| Art Unit | 2871 | | | |
| Attorney Docket No. | 8733.537.00-US | | | |

| METHOD OF PAYMENT (check all that apply) | FEE CALCULATION (continued) | | | | | |
|---|-----------------------------|-----------|----------|---------|--|----------|
| X Check Credit Money Other None | 3. A | DDITI | ONAL | FEES | i | |
| Card Colder C | | | | | | |
| Deposit Account: | Large | Entity | Small | Entity | | |
| Deposit Account 50-0911 | Fee | Fee | Fee | Fee | - | |
| Number | | Code (\$) | Code | (\$) | Fee Description | Fee Paid |
| Deposit Account McKenna Long & Aldridge LLP | 1051 | 130 | 2051 | 65 | Surcharge – late filing fee or oath | |
| Name INCREMITA LONG & Aldridge LLP | 1052 | 50 | 2052 | 25 | Surcharge – late provisional filing fee or cover | |
| The Director is authorized to: (check all that apply) | 1032 | 30 | 2002 | 25 | sheet. | |
| Charge fee(s) indicated below X Credit any overpayments | 1053 | 130 | 1053 | 130 | Non-English specification | |
| X Charge any additional fee(s) or any underpayment of fee(s) | 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| Charge foo(s) indicated below award for the filling for | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to | |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | 1805 | 1,840* | 1805 | 1.840* | Examiner action Requesting publication of SIR after | |
| , , , , , , , , , , , , , , , , , , , | 4 | | | | Examiner action | |
| FEE CALCULATION | 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1. BASIC FILING FEE | 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid | 1253 | 950 | 2253 | 475 | Extension for reply within third month | 840.00 |
| Code (\$) Code (\$) | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1001 770 2001 385 Utility filing fee | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1002 340 2002 170 Design filing fee | 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1003 530 2003 265 Plant filing fee | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| 1004 770 2004 385 Reissue filing fee | 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1005 160 2005 80 Provisional filing fee | 1451 | 1,510 | 1451 | | Petition to institute a public use proceeding | |
| SUBTOTAL (1) (\$) 0.00 | 1452 | 110 | 2452 | 55 | Petition to revive – unavoidable | |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | |
| Extra Fee from Claims below Fee Paid | 1502 | 480 | 2502 | 240 | Design issue fee | |
| Total Claims 28 -28** = x = 0.00 | 1503 | 640 | 2503 | 320 | Plant issue fee | |
| Independent 9 -9** = x = 0.00 | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| Multiple Dependent = | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| Large Entity Small Entity | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| Fee Fee Fee Fee Code (\$) Code (\$) | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1202 18 2202 9 Claims in excess of 20 | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection | |
| 1201 86 2201 43 Independent claims in excess of 3 | | | | | (37 CFR 1.129(a)) For each additional invention to be | <u> </u> |
| 1203 290 2203 145 Multiple dependent claim, if not paid | 1810 | 770 | 2810 | 385 | examined (37CFR 1.129(b)) | |
| 1204 86 2204 43 ** Reissue independent claims over original patent | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | 770.00 |
| 1205 18 2205 9 ** Reissue claims in excess of 20 | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| and over original patent | Other f | ee (spec | ify) | | | |
| SUBTOTAL (2) (\$) 0.00 | *Redu | ced by E | asic Fil | ing Fee | Paid SUBTOTAL (3) (\$) | 1610.00 |
| **or number previously paid, if greater, For Reissues, see above | <u> </u> | | | | | |

| | | Complete | (if applicable)) |
|--------------------------------------|--------|-----------|--|
| Registration No. (Attorney/Agent) | 53,005 | Telephone | (202) 496-7564 |
| _ | | Date | March 2, 2004 |
| | | | Registration No. (Attorney/Agent) 53,005 Telephone |



CHECK AMOUNT 64-10/610 CHECK DATE 03/02/04 SunTrust Bank, Atlanta, Atlanta, Atlanta Georgia

AND TRADEMARKS PAY TO THE ORDER OF

COMMISSIONER OF PATENTS***

THIS DOCUMENT CONTAINS HEAT SENSITIVE INK. TOUCH OR PRESS HERE - RED IMAGE DISAPPEARS WITH HEAT.

#06 1000 104# 88009 18065# "4 2963"

VENDOR #: 37437 ATTORNEYS AT LAW COMMISSIONER OF PATENTS*** MCKENNA LONG & ALDRIDGE LLP PAYEE: DATE: 03-02-04

BANK ACCOUNT: SUNTRUST BANK, ATLANTA CHECK#

AMT. PAID 770.00 DESCRIPTION 08733.0537 INVOICE DATE 03/02/04 INVOICE # 030204D 1335000000000000do gr# REF. #

236029

Safegual'd Lithousa spries ckysobitzs (201)